

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A ~~service providing~~ server for executing ~~service providing~~ processing in response to a ~~service providing~~ request from one of a plurality of information processing apparatuses, each information processing apparatus having a reading unit for accessing information recording media each having an information recording medium ID, the server comprising:

a data reception section configured to receive a service request, an information recording medium ID and a service ID from an information processing apparatus;

a storage section configured to store service providing situation data for each of title-unique values corresponding to titles of content stored on the information recording media; and

a data processing section configured to verify the information recording medium ID received via the data reception section, to acquire a title-unique value on the basis of the information recording medium ID when the information recording medium ID is verified as valid, to acquire, based on the title-unique value, service providing situation data ~~corresponding to the title-unique value~~ from the storage section which indicates whether or not a service requested by the service request including the information recording medium ID and the service ID is permitted ~~based on the acquired service providing situation data~~, and to execute the service providing processing corresponding to the service when the service is determined to be permitted based on the service providing situation data.

Claim 2 (Previously Presented): The service providing server according to Claim 1, wherein:

the data processing section is further configured to verify the information recording medium ID by verifying signature data contained in the information recording medium ID, and to acquire, from the storage section, the service providing situation data corresponding to the title-unique value, the title-unique value contained in the information recording medium ID or calculated based on data contained in the information recording medium ID.

Claim 3 (Previously Presented): The service providing server according to Claim 1, wherein:

the storage section is further configured to store a revocation list including a list of unauthorized information recording medium IDs; and

the data processing section is further configured to verify the information recording medium ID in the data processing section by comparing the information recording medium ID received from the information processing apparatus with the unauthorized information recording medium IDs included in the revocation list.

Claim 4 (Currently Amended): The service providing server according to Claim 1, wherein:

the information recording medium ID includes a title-unique value corresponding to a title of content stored in an information recording medium and signature data generated on the basis of a secret key of a management apparatus the signature data differing for each of the information recording media; and

the data processing section is further configured to verify the information recording medium ID by generating a message to which a public key of the management apparatus is applied and comparing the message with the signature data contained in the information recording medium ID and to ~~acquire~~ acquire the service providing situation data corresponding

to the title-unique value contained in the information recording medium ID from the storage section.

Claim 5 (Previously Presented): The service providing server according to Claim 1, wherein:

the information recording medium ID includes:

a prime number $p(w)$ determined based on a number W of information recording media manufactured; and

data $IDKey(w)$ calculated based on the prime number $p(w)$ and the title-unique value; and

the data processing section is further configured to judge whether or not data contained in the information recording medium ID is the prime number, as the ID verifying processing, to calculate the title-unique value from the data $IDKey(w)$ contained in the information recording medium ID, and to acquire the service providing situation data corresponding to the title-unique value calculated from the storage section.

Claim 6 (Currently Amended): An information processing apparatus for transmitting a service providing request to a service providing server, further comprising:

a recording medium interface configured to access an information recording medium; and

a data processing section configured to verify an information recording medium ID read from the information recording medium via the recording medium interface, and transmit the information recording medium ID to the service providing server when the information recording medium ID is verified as valid by the data processing section in the information processing apparatus.

Claim 7 (Previously Presented): The information processing apparatus according to Claim 6, wherein:

the data processing section is further configured to verify the information recording medium ID by verifying signature data contained in the information recording medium ID.

Claim 8 (Previously Presented): The information processing apparatus according to Claim 6, wherein:

the data processing section verifies the information recording medium ID by acquiring a revocation list having a list of unauthorized information recording medium IDs from a storage section or the information recording medium and comparing the information recording medium ID received from the information processing apparatus with the unauthorized information recording medium IDs included in the revocation list.

Claim 9 (Previously Presented): The information processing apparatus according to Claim 6, wherein:

the information recording medium ID includes a title-unique value corresponding to a title of content stored on the information recording medium and signature data generated on the basis of a secret key of a management apparatus, the signature data differing for each information recording medium; and

the data processing section is further configured to verify the information recording medium ID by generating a message to which a public key of the management apparatus is applied and comparing the message with the signature data contained in the information recording medium ID.

Claim 10 (Previously Presented): The information processing apparatus according to Claim 6, wherein:

the information recording medium ID includes:

a prime number $p(w)$ determined based on a number W of information recording media manufactured; and

data $IDKey(w)$ calculated based on the prime number $p(w)$ and a title-unique value; and

the data processing section is further configured to verify the information recording medium ID by judging whether or not data contained in the information recording medium ID is the prime number.

Claim 11 (Currently Amended): A data processing method for executing service providing processing in response to a service providing request from an information processing apparatus, comprising:

receiving a service request accompanied by an information recording medium ID and a service ID from the information processing apparatus; and

verifying the information recording medium ID received;

acquiring a title-unique value on the basis of the information recording medium ID when the information recording medium ID is verified as valid;

acquiring, based on the title-unique value, service providing situation data
~~corresponding to the title-unique value~~ from a storage section, the service providing situation data including data for each of title-unique values corresponding to titles of content stored on information recording media;

judging whether or not a service requested by the service request including the information recording medium ID and the service ID is permitted based on the acquired service providing situation data; and

executing the service providing processing when the service is determined to be permitted by the judging.

Claim 12 (Previously Presented): The data processing method according to Claim 11, further comprising:

verifying the information recording medium ID by verifying signature data contained in the information recording medium ID; and

acquiring, from the storage section, the service providing situation data corresponding to the title-unique value, according to the title-unique value contained in the information recording medium ID calculated by executing a calculation based on data contained in the information recording medium ID.

Claim 13 (Previously Presented): The data processing method according to Claim 11, further comprising:

verifying the information recording medium ID by comparing the information recording medium ID received from the information processing apparatus with unauthorized information recording medium IDs recorded in a revocation list.

Claim 14 (Previously Presented): The data processing method according to Claim 11, wherein:

the information recording medium ID includes a title-unique value corresponding to a title of content stored on a corresponding information recording medium and signature data

generated on the basis of a secret key of a management apparatus, the signature data and differing for each information recording medium; and

the data processing method further comprises verifying the information recording medium ID by generating a message to which a public key of the management apparatus is applied;

comparing the message with the signature data contained in the information recording medium ID; and

acquiring the service providing situation data corresponding to the title-unique value contained in the information recording medium ID from the storage section.

Claim 15 (Previously Presented): The data processing method according to Claim 11, wherein:

the information recording medium ID includes:

a prime number $p(w)$ determined based on a number W of information recording media manufactured; and

data $IDKey(w)$ calculated based on the prime number $p(w)$ and the title-unique value; and

the data processing method further comprises judging whether or not data contained in the information recording medium ID is the prime number as the ID verifying processing,

calculating the title-unique value from the data $IDKey(w)$ contained in the information recording medium ID, and

acquiring the service providing situation data corresponding to the title-unique value calculated from the storage section.

Claim 16 (Currently Amended): A data processing method for executing a service providing request to a service providing server, comprising:

accessing an information recording medium via a recording medium interface of an information processing apparatus;

verifying, using the information processing apparatus, an information recording medium ID read from the information recording medium via the recording medium interface;
and

transmitting the information recording medium ID from the information processing apparatus to the service providing server when the information recording medium ID is verified to be valid by the information processing apparatus.

Claim 17 (Previously Presented): The data processing method according to Claim 16, further comprising:

verifying the information recording medium ID by verifying signature data contained in the information recording medium ID.

Claim 18 (Previously Presented): The data processing method according to Claim 16, further comprising:

verifying the information recording medium ID by acquiring a revocation list including a list of unauthorized information recording medium IDs from a storage section or the information recording medium and comparing the information recording medium ID received from the information processing apparatus with the unauthorized information recording medium IDs included in the revocation list.

Claim 19 (Previously Presented): The data processing method according to Claim 16, wherein:

the information recording medium ID includes a title-unique value corresponding to a title of content stored on a corresponding information recording medium and signature data generated on the basis of a secret key of a management apparatus, the signature data differing for each information recording medium; and

the data processing method further comprises verifying the information recording medium ID by generating a message to which a public key of the management apparatus is applied

comparing the message with the signature data contained in the information recording medium ID.

Claim 20 (Previously Presented): The data processing method according to Claim 16, wherein:

the information recording medium ID includes:

a prime number $p(w)$ determined based on a number W of information recording media manufactured; and

data $IDKey(w)$ calculated based on the prime number $p(w)$ and a title-unique value; and

the data processing method further comprises
verifying the information recording medium ID by judging whether or not data contained in the information recording medium ID is the prime number.

Claim 21 (Currently Amended): A computer readable storage medium having stored thereon a program for executing a data processing method ~~for executing service providing~~

~~processing in response to a service providing request from an information processing~~
apparatus, comprising:

receiving a service request accompanied by an information recording medium ID and
a service ID from ~~[[the]]~~ an information processing apparatus; and

verifying the information recording medium ID received;

acquiring a title-unique value on the basis of the information recording medium ID
when the information recording medium ID is verified as valid;

acquiring, based on the title-unique value, service providing situation data
~~corresponding to the title-unique value~~ from a storage section, the service providing situation
data including data for each of title-unique values corresponding to titles of content stored on
information recording media;

judging whether or not a service requested by the service request including the
information recording medium ID and the service ID is permitted based on the acquired
service providing situation data; and

executing the service providing processing when the service is determined to be
permitted by the judging.

Claim 22 (Currently Amended): A computer readable storage medium having stored
thereon a program for executing a data processing method ~~for executing a service providing~~
~~request to a service providing server~~, comprising:

accessing an information recording medium via a recording medium interface of an
information processing apparatus;

verifying, using the information processing apparatus, an information recording
medium ID read from the information recording medium via the recording medium interface;
and

transmitting the information recording medium ID from the information processing apparatus to ~~[[the]]~~ a service providing server when the information recording medium ID is verified to be valid by the information processing apparatus.